

INDIANA DRAINAGE HANDBOOK



**An Administrative
and Technical Guide
for Activities within
Indiana Streams
and Ditches**

**Prepared in Accordance
with State of Indiana
Public Law 329-1995**

CHRISTOPHER B. BURKE ENGINEERING, LTD.

Indianapolis, Indiana



Acknowledgements and Disclaimer

This handbook was developed by Christopher B. Burke Engineering, Ltd. (CBBEL) in accordance with State of Indiana Public Law 329-1995. Principal editors, authors, and support staff within CBBEL included: Christopher B. Burke (Technical Editor), Siavash E. Beik (Project Manager & Principal Author), Kerry M. Daily, Mark J. O'Leary, Jon D. Stolz (Meeting Facilitator), Jedd M. Anderson, and Elaine A. Eichelberger. The final printing of the Handbook was undertaken by Perfect Impressions Printing.

An eleven-member, legislatively-created work group reviewed and oversaw the overall development of Handbook, and provided valuable input to CBBEL project team throughout the development phase. The following is a listing of work group member names and their affiliations: James Barnett (Indiana Farm Bureau), Dennis Clark (IDEM), Carl Colbert (Tipton County Drainage Board), Kenneth Culp (Jasper County Drainage Board), Greg Deeds (Miami County Surveyor), Karl Glander (Friends of the White River), David Hudak (USFWS), Philip McCloud (USDA-NRCS), James Ray (IDNR), Doug Shelton (USCOE), and Kenton Ward (Hamilton County Surveyor).

Much of the material presented here was adapted from various publications containing best management practices and technical data as well as documents describing various permitting and administrative local, State and Federal programs. In many cases, pertinent text and illustrations were directly utilized within the Handbook with permission and with full credit. A complete list of these publications is provided in Section 6: References. The following is a list of agencies whose publications were extensively used in the preparation of this handbook:

- Indiana Department of Natural Resources.
- USDA-Natural Resources Conservation Service.
- U.S. Army Corps of Engineers.
- United States Department of Agriculture Forest Service.
- North Carolina Department of Environment, Health, and Natural Resources.
- South Carolina Department of Health and Environmental Control.
- Pennsylvania Department of Environmental Resources.
- Ohio Department of Natural Resources.
- DuPage County (Illinois) Department of Environmental Concerns.

Use of trade names, brand names, or drawings designating specific products is for reference purposes only and does not constitute an endorsement of products or services by CBBEL, work group members, the State of Indiana, or any of the cooperative agencies/organizations.